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24956 7590 12/03/2003

MATTINGLY, STANGER & MALUR, P.C.  
 1800 DIAGONAL ROAD  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/978,567	10/18/2001	Katsumi Mabuchi	H-828-02	5271

TITLE OF INVENTION: STEEL STRIP DESCALING APPARATUS AND A STEEL STRIP MANUFACTURING APPARTUS USING THE DESCALING APPARATUS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	03/03/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
PHASGE, ARUN S	1753	205-705000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

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2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

MATTINGLY, STANGER &amp; MALUR, P.C.

1	MATTINGLY, STANGER & MALUR, P.C.
2	
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## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

HITACHI, LTD.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Tokyo, Japan

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

☒ Issue Fee☒ Publication Fee☐ Advance Order -- # of Copies \_\_\_\_\_

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☐ A check in the amount of the fee(s) is enclosed.☒ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-1417 (enclose an extra copy of this form).

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(Authorized Signature)

(Date)

John R. Mattingly; Reg. No. 30,293 3/3/04

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